



Dulles Corridor Metrorail Project

Silver Line Phase 2 Implementation

Board Transportation Committee Update
October 10, 2017

Mark Canale, Fairfax County Project Manager
Fairfax County Department of Transportation

Phase 1

- Old Meadow Road Realignment – in design, construction completion scheduled for the end of 2018
- Remaining VDOT punch list ongoing
- Phase 1 close out - \$2.982B

Phase 2

- Overall Phase 2 – 71%
- Package A (Rail line, system, and stations) – 71%
- Package B (Rail yard at Dulles) – 67%
- Contractual Substantial Completion – August 2019
 - WMATA to establish Revenue Operations Date

Phase 2 – Station Construction

- *Reston Town Center Station* – Precast and structural steel detailing, pavilion area work ongoing
- *Herndon Station* – Structural steel and precast detailing, south pavilion construction, pedestrian bridge erection
- *Innovation Station* – Detailing work, pedestrian bridge erection, pavilion construction, skylight framing, electrical and plumbing
- *Dulles Airport Station* – Precast and structural steel erection, station mechanical/electrical/plumbing rough in work, tunnel tie-in
- *Loudoun Gateway Station* – Station precast, roof erection, mechanical electrical plumbing rough in
- *Ashburn Station* - Station foundation, support walls, precast erection, and pedestrian bridge assembly

Phase 2 – Aerial Guideway, Utilities, Systems

- All aerial guideway decks poured
- Setting parapet walls along elevated guideway
- Drilling supports for station pavilion pedestrian bridges
- Utility Relocation ongoing
- Traction Power Feeders – continue to install duct bank to tie into Traction Power Substations (TPSS), continue 34.5kV cable installation
- TPSS 19, 7, and 10 delivered for installation

Phase 2 – Rail Yard at Dulles Airport

- Under Construction - Service and Inspection Building, Maintenance Way Building, Transportation Police Building, Train Wash Facility, Warehouse Facility, Vehicle Storage Facility
- Ongoing - Track work in rail yard
- Ongoing – Utility installation, duct bank, storm lines, sanitary lines, water lines, on site road work.

Phase 2 – Cost Summary

- Budget

• Total Budget	\$2.778B
• Total Forecast	\$2.778B
• Total Expenditures	\$1.429B

- Contingency Utilization

• Total Contingency	\$551.5M
• Total Contingency Utilized	\$182.4M
• Remaining Contingency	\$369.1M

Herndon Metrorail Garage

- Total Project Estimate: \$44.5M
- Construction Progress: 40% complete
- Garage Bridge Erection: Oct 2017 to Nov 2017

Schedule

- Construction Award: October 2016
- Construction (new garage): November 2016 – March 2019
- Construction (existing garage): February 2019 – March 2019
- Ready for Occupancy: April 2019

Herndon Monroe Bridge Construction

- October 21st Intermittent Closing of Service Drive
 - Main Garage Entrance Closed
 - Garage Access thru Bus Loop
 - Minimal Impact to Connector Service
- October 23rd thru November 9th Partial Closure of Service Drive
 - Reduced from 4 Lanes to 2 Lanes (One in each direction)
 - Minimal Impact to Connector Service



Herndon Monroe Bridge Construction

- November 10th thru November 26th Full Closure Service Drive
 - Significant Impact to Connector Service
 - Bus Stops Affected – East Bound Sunrise Valley Drive between Centreville Road and Fairfax County Parkway
 - Routes Servicing Herndon Monroe will access Park and Ride from the Dulles Toll Road



Herndon Monroe Bridge Construction

- Commuter Outreach and Communications
 - Multi-platform approach tailored to the level of impact of each construction phase
 - On-site signage and ambassador outreach
 - On-board, online, email and SMS advisories
 - Traditional and social media engagement
 - Radio advertising

Herndon Metrorail Garage



Innovation Metrorail Garage

- Total Project Estimate: \$52 million
- Construction Progress: 12% complete
- Precast Fabrication: October 2017
- Precast Erection: April 2018

Schedule

- Construction Award: March 2017
- Construction: April 2017
- Ready for Occupancy: April/May 2019

Innovation Metrorail Garage



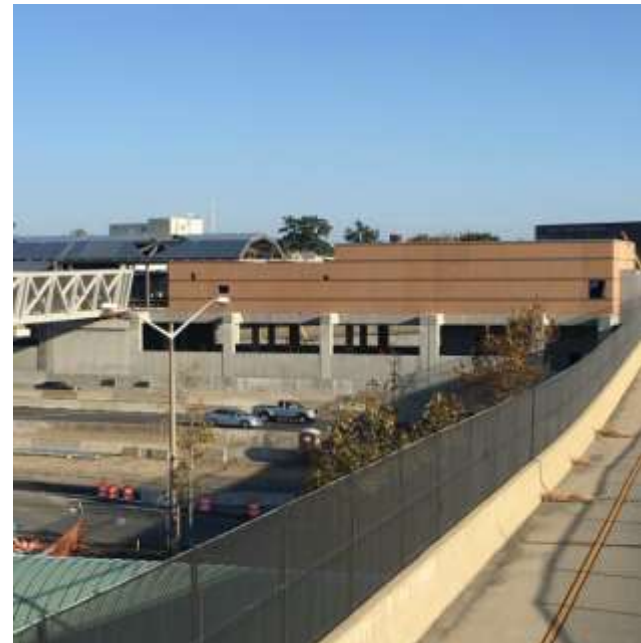
Reston Town Center Station



Electrical Rough In at Reston Station



Herndon Station



Innovation Center Station



Dulles Airport Station

Dulles Station Platform and Glass Framing for Mezzanine Below



Future Dulles Station Mezzanine and Elevator Shafts



Install Reinforcing Steel for Outbound Guideway Through Dulles Station



Rail Yard Dulles Airport

Train Wash Facility



Warehouse Building



QUESTIONS?